

conversion process on said separated video stream to form a converted video stream;

generating means for generating additional information indicating that a mismatch will occur when said converted video stream is displayed on the basis of said multimedia coding data; and

outputting means for outputting said converted video stream, said multimedia coding data, and said additional information.

5. (AMENDED) The image coding apparatus according to claim 1, wherein said conversion process includes at least a process of decoding said separated video stream and a process of encoding said decoded video stream.

6. (AMENDED) The image coding apparatus according to claim 1, wherein said additional information contains at least one of original picture frame information and an original screen aspect ratio.

7. (AMENDED) The image coding apparatus according to claim 1, wherein said additional information generated by said generating means contains an original video format and a video format after said conversion process.

8. (AMENDED) The image coding apparatus according to claim 1, wherein said additional information generated by said generating means contains an original screen aspect ratio and a screen aspect ratio after said conversion process.

9. (AMENDED) The image coding apparatus according to claim 1, wherein said additional information contains at least one of information indicating whether a picture frame of said video stream has been converted by said converting means, information about an original picture frame of said separated video stream, and an original screen aspect ratio.

10. (AMENDED) A method for image coding, comprising:
inputting a multiplexed stream containing multimedia coding data;
separating a video stream from said input

multiplexed stream;

performing a predetermined conversion process on said separated video stream to form a converted video stream;

generating additional information indicating that a mismatch will occur when said converted video stream is displayed on the basis of said multimedia coding data; and

outputting said converted video stream, said multimedia coding data, and said additional information.

11. (AMENDED) The image coding method according to claim 10, further comprising:

coding said additional information as data separate from said multiplexed stream containing said converted video stream.

12. (AMENDED) The image coding method according to claim 10, further comprising:

multiplexing said additional information with said multiplexed stream containing said converted video stream and then coding a multiplexed result.

13. (AMENDED) The image coding method according to claim 10, wherein said conversion process includes converting a video stream picture frame parameter.

14. (AMENDED) The image coding method according to claim 10, wherein said conversion process includes at least a process of decoding said separated video stream and a process of encoding said decoded video stream.

15. (AMENDED) The image coding method according to claim 10, wherein said additional information contains at least one of original picture frame information and an original screen aspect ratio.

16. (AMENDED) The image coding method according to claim 10, wherein said additional information contains an original video format and a video format after said conversion process.

17. (AMENDED) The image coding method according to claim 10, wherein said additional information contains an original screen aspect ratio and a screen aspect ratio after said

conversion process.

18. (AMENDED) The image coding method according to claim 10, wherein said additional information contains at least one of information indicating whether a picture frame of said video stream has been converted with said conversion process, information about an original picture frame of said separated video stream, and an original screen aspect ratio.

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19. (AMENDED) A recording medium recorded with a computer-readable program for image coding, said program comprising:

inputting a multiplexed stream containing multimedia coding data;

separating a video stream from said input multiplexed stream;

performing a predetermined conversion process on said separated video stream to form a converted video stream;

generating additional information indicating that a mismatch will occur when said converted video stream is displayed on the basis of said multimedia coding data; and

outputting said converted video stream, said multimedia coding data, and said additional information.

20. (AMENDED) An information recording medium comprising:

a data recording area recorded with a video stream converted by a predetermined conversion process, multimedia coding data, and additional information indicating an occurrence of a mismatch when displaying said converted video stream on the basis of said multimedia coding data.

26. (AMENDED) The recording medium according to claim 20, wherein said additional information contains information about an original video format and information about a video format after said conversion process.

27. (AMENDED) The recording medium according to claim 20, wherein said additional information contains information about an original screen aspect ratio and information about a

screen aspect ratio after said conversion process.

28. (AMENDED) The recording medium according to claim 20, wherein said additional information contains at least one of information indicating whether a picture frame of said video stream has been converted, information about an original picture frame of said video stream, and information about an original screen aspect ratio.

29. (AMENDED) An image decoding apparatus, comprising:
inputting means for inputting a multiplexed stream containing multimedia coding data;

separating means for separating a video stream from said input multiplexed stream;

decoding means for decoding said separated video stream; and

processing means for performing a predetermined conversion process on said decoded video stream in accordance with additional information indicating an occurrence of a mismatch when displaying said decoded video stream on the basis of said multimedia coding data.

30. (AMENDED) The image decoding apparatus according to claim 29, further comprising:

acquiring means for acquiring said additional information from data different than said multiplexed stream.

31. (AMENDED) The image decoding apparatus according to claim 29, further comprising:

acquiring means for acquiring said additional information from a multiplexed stream containing said additional information.

33. (AMENDED) The image decoding apparatus according to claim 29, wherein the conversion process includes at least a process of decoding said separated video stream and a process of encoding said decoded video stream.

35. (AMENDED) The image decoding apparatus according to claim 29, wherein said additional information contains an original video format and information about a video format

after said conversion process.

36. (AMENDED) The image decoding apparatus according to claim 29, wherein said additional information contains information about an original screen aspect ratio and information about a screen aspect ratio after said conversion process.

37. (AMENDED) The image decoding apparatus according to claim 29, wherein said additional information contains at least one of information indicating whether a picture frame of said video stream has been converted by said processing means, information about an original picture frame of said separated video stream, and information about an original screen aspect ratio.

38. (AMENDED) A method for image decoding, comprising:
inputting a multiplexed stream containing multimedia coding data;
separating a video stream from said input multiplexed stream;
decoding said separated video stream; and
performing a predetermined conversion process on said decoded video stream in accordance with additional information indicating an occurrence of a mismatch when displaying said decoded video stream on the basis of said multimedia coding data.

39. (AMENDED) The image decoding method according to claim 38, further comprising:
acquiring said additional information from data different than said multiplexed stream.

40. (AMENDED) The image decoding method according to claim 38, further comprising:
acquiring said additional information from a multiplexed stream containing said additional information.

41. (AMENDED) The image decoding method according to claim 38, wherein said conversion process includes converting a picture frame parameter of said video stream.

42. (AMENDED) The image decoding method according to claim 38, wherein said conversion process includes at least a process of decoding said separated video stream and a process of encoding said decoded video stream.

46. (AMENDED) The image decoding method according to claim 38, wherein said additional information contains at least one of information indicating whether a picture frame of said video stream has been converted with said conversion process, information about an original picture frame of said separated video stream, and information about an original screen aspect ratio.

47. (AMENDED) A recording medium recorded with a computer-readable program for image decoding, said program comprising:

inputting a multiplexed stream containing multimedia coding data;

separating a video stream from said input multiplexed stream;

decoding said separated video stream; and

performing a predetermined conversion process on said decoded video stream in accordance with additional information indicating occurrence of a mismatch when displaying said decoded video stream on the basis of said multimedia coding data.

48. (AMENDED) An image coding apparatus, comprising:

inputting means for inputting a multiplexed stream;

separating means for separating a video stream from said input multiplexed stream;

determining means for determining whether multimedia coding data is contained in said input multiplexed stream;

generating means for generating coding control information based on the presence of said multimedia coding data in said multiplexed stream for instructing that a display format of said separated video stream not be changed;

converting means for performing a predetermined

conversion process on said separated video stream on the basis of said coding control information to form a converted video stream; and

multiplexing means for generating a multiplexed stream that contains said converted video stream.

49. (AMENDED) The image coding apparatus according to claim 48, wherein said coding control information provides instructions that a picture frame, a video format, and an aspect ratio of said separated video stream not be changed.

50. (AMENDED) A method for image coding, comprising:
inputting a multiplexed stream;
separating a video stream from said input multiplexed stream;

determining whether multimedia coding data is contained in said input multiplexed stream;

generating coding control information based on the presence of said multimedia coding data in said multiplexed stream for instructing that a display format of said separated video stream not be changed;

performing a predetermined conversion process on said separated video stream on the basis of said coding control information to form a converted video stream; and

generating a multiplexed stream that contains said converted video stream.

51. (AMENDED) The image coding method according to claim 50, wherein said coding control information provides instructions that a picture frame, a video format, and an aspect ratio of said separated video stream not be changed.

52. (AMENDED) A recording medium recorded with a computer-readable program for image coding, said program comprising:

inputting a multiplexed stream;
separating a video stream from said input multiplexed stream;

determining whether multimedia coding data is

contained in said input multiplexed stream;

generating coding control information based on the presence of said multimedia coding data in said multiplexed stream for instructing that a display format of said separated video stream not be changed;

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performing a predetermined conversion process on said separated video stream on the basis of said coding control information to form a converted video stream; and

generating a multiplexed stream that contains said converted video stream.

53. (AMENDED) An information recording medium, comprising:

a data recording area recorded with coding control information for instructing that a display format not be changed for a video stream and a multiplexed stream containing a video stream on which a predetermined conversion process has been performed on the basis of said coding control information.
